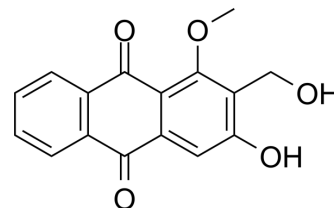


Damnacanthol

Cat. No.:	HY-N11058
CAS No.:	477-83-8
Molecular Formula:	C ₁₆ H ₁₂ O ₅
Molecular Weight:	284.26
Target:	Lipoxygenase; NO Synthase
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Damnacanthol is a natural product that can be isolated from <i>Damnacanthus major</i> ^[1] . Damnacanthol has anti-15-lipoxygenase activity and can inhibit nitric oxide production in LPS-activated macrophages RAW 264.7 cells ^[2] .
IC ₅₀ & Target	15-LOX

REFERENCES

[1]. Ayyangar N R, et al. Anthraquinone and anthrone series—XXIII: The non-identity of 1: 3: 8-trihydroxy-2-hydroxymethyl-anthraquinone with versicolorin and a synthesis of damnacanthol and damnacanthal. *Tetrahedron*, 1959, 6(4): 331-337.

[2]. Dzoyem JP, et al. Inhibition of Nitric Oxide Production in LPS-Stimulated RAW 264.7 Macrophages and 15-LOX Activity by Anthraquinones from *Pentas schimperi*. *Planta Med.* 2016 Sep;82(14):1246-51.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA